

## TROPICAL STORM ZACK (22W)

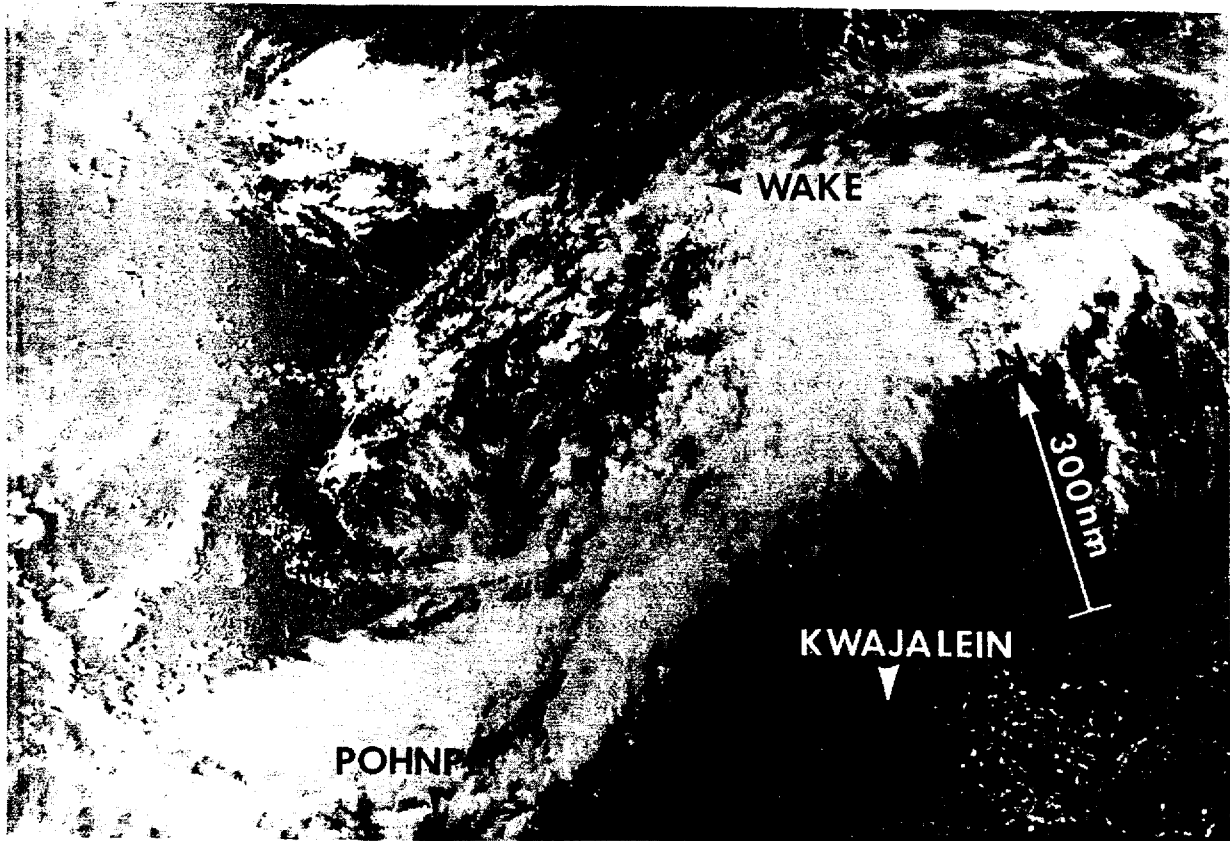


Figure 3-22-1. Cirrus cloud partially obscures Zack's exposed low-level circulation center, which appears at the western edge of a band of deep convective cloudiness associated with enhanced low-level southwesterly flow.

The first of eight significant tropical cyclones to form in October, Zack was also the first to threaten the southern Mariana Islands since Omar's (15W) devastating passage across Guam in August. Initial JTWC track forecasts towards the southern Mariana Islands and Guam were based on continued west-northwestward movement along the axis of the monsoon trough. On 9 October, however, a monsoon surge of deep southwesterly winds resulted in an abrupt track change to the north-northeast for Zack. As the tropical storm weakened, the low-level circulation center became difficult to locate, and JTWC issued a final warning on Zack at 120000Z. However, by the following day, the convection and organization of the system had increased, prompting JTWC to issue a "regenerated" warning at 130600Z. Zack briefly reintensified to a tropical storm before transitioning into a subtropical system and dissipating over the ocean. No reports of damage or injury were received.